

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9470	plugin plug adj in	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:04
L2	78464	(nozzles! jets! openings! orifices!) with (spray spraying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:05
L3	229	(nozzles! jets! openings! orifices!) same 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:05
L4	0	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:05
L5	102930	(nozzles! jets! openings! orifices!) same (spray spraying)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:05
L6	1	5 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:06
L7	0	3 and "239"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:06
L8	0	3 and "239"\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:06
L9	9	1 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:06

## EAST Search History

L10	11255	(239/548-568).ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:26
L11	3522	(285/399-404).ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:16
L12	18	10 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:16
L13	114	"239"/\$.ccls. and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:23
L14	14	("1388490"   "2868512"   "4251109"   "4333687"   "4405178"   "4453775"   "4456306"   "4488758"   "4497520"   "4573744"   "4583786"   "4664450").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 08:22
L15	166	("1009302"   "1388490"   "1477932"   "1799473"   "1943880"   "2160158"   "2408892"   "2529788"   "2668691"   "2868512"   "2933295"   "3117700"   "3203736"   "3236543"   "3270925"   "3356418"   "3374033"   "3390897"   "3532367"   "3544166"   "3603414"   "3729137"   "3942838"   "3957307"   "3990730"   "3997011"   "4022287"   "4025116"   "4111464"   "4186946"   "4201421"   "4216832"   "4251109"   "4269436"   "4333687"   "4405178"   "4453775"   "4456306"   "4488758"   "4583786").PN. OR ("1388490"   "2868512"   "4251109"   "4333687"   "4405178"   "4453775"   "4456306"   "4488758"   "4497520"   "4573744"   "4583786"   "4664450").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 08:22
L16	15	"239"/\$.ccls. and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:29

## EAST Search History

L17	1891	(239/200-210).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:26
L18	220	10 and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:26
L19	198	(239/548-568).ccls. and 17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:29
L20	194	(285/33).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:29
L21	4	"239"/\$.ccls. and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:32
L22	45	("0245263"   "1942358"   "2283672"   "3101906"   "3129777"   "3447755"   "3455580").PN. OR ("3799453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 08:30
L23	6	nozzle and 20 not 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:33
L24	194	20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:33
L25	5	("4333687"   "4405178"   "4456306"   "4488758"   "4583786").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 08:46
L26	320	(299/81.1-81.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:51

## EAST Search History

L27	2	exposed with (tube tubung piupe piping) and 26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:52
L28	2	exposed with (tube tubung pipe piping) and 26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:52
L29	137	exposed with (tube tubung pipe piping) and "299"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:52
L30	93	(nozzle spray ) and 29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:53
L31	16	("1499202"   "2468331"   "2749180"   "3261556"   "3933313"   "4095746"   "4448221"   "4552728"   "5556032"   "6042029"   "6520430"   "6568603").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 09:18
L39	28	("2063746"   "2073521"   "2128008"   "2158904"   "2217705"   "2229663"   "2707961"   "2947311"   "3049391"   "3141618"   "3706317"   "4018239"   "4187122"   "4257559"   "4439242"   "4657188"   "5383486"   "Re30537").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 10:38
L40	6	("3013788"   "3279828"   "4011997"   "4257559").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 10:41
L41	1088	(285/61).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 10:46
L42	180	(285/62).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 10:45

## EAST Search History

L43	2	41 and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:45
L44	61	nozzle and 41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L45	45119	bayonet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L46	269	bayonnet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L47	45340	45 46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L48	4635	nozzle and 47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L49	890	nozzle with 47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L50	239	spray and 49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 10:49
L51	15272	mesh with (screen strainer) with wire	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:27
L52	765	51 same (nozzle )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:27

## EAST Search History

L53	24	(US-20010045472-\$).did. or (US-4657188-\$ or US-5927616-\$ or US-5407253-\$ or US-6398136-\$ or US-4765686-\$ or US-6676041-\$ or US-6540304-\$ or US-5913635-\$ or US-4664450-\$ or US-5487507-\$ or US-5253807-\$ or US-3747982-\$ or US-4070064-\$ or US-3589388-\$ or US-5660196-\$).did. or (US-3544166-\$ or US-3129777-\$ or US-1491212-\$ or US-3107060-\$ or US-3142306-\$ or US-3236459-\$). did. or (DE-3032204-\$ or DE-3111295-\$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/04/25 11:27
L54	0	52 and 53	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/04/25 11:27
L55	1	52 and quick adj connect\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/04/25 11:28
L56	146	52 and nozzle.ti,clm.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/04/25 11:28
S1	221	"299"\$.ccls. and spray with nozzles!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:05
S2	9	S1 and quick	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 06:55
S3	2	("20010045472").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 06:57
S4	3	("2418766"   "5407253").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/24 06:57
S5	961	spray adj bar with nozzles!	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:05

## EAST Search History

S6	47652	"299"/\$.ccls. e21c\$.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:05
S7	9	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:09
S8	9203	(239/548-568).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 07:19
S9	42	quick adj (release connect) and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:13
S10	16	S6 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:12
S11	47	quick adj (change disconnect) and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:15
S12	38	S11 not S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:15
S13	32	(spray nozzle) adj bar with dust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:18
S14	2848	(285/399-404).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:15
S15	9	S8 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:20

## EAST Search History

S16	0	285/399-404	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:19
S17	0	285/399-404.ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:19
S18	0	"285/399-404".ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:19
S19	3522	(285/399-404).ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:15
S20	11255	(239/548-568).ccls,fs.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 08:08
S21	18	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:19
S22	114	nozzle and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:22
S23	105	nozzle! and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:20
S24	44	nozzles! and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:20



## EAST Search History

S25	23	("2224010"   "2235258"   "2619385"   "2993650"   "4358058"   "4485877"   "4568025"   "4697740"   "4700894"   "5062486"   "5253716"   "5261494"   "5277256"   "5447203"   "5590719"   "5678766"   "5810089"   "D339846"   "D351642").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/24 07:21
S26	37	spray and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:22
S27	60648	(spray nozzle )with (removable removing removal disconnect)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:27
S28	205	S6 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:28
S29	10399	(spray nozzle )with (replace replacement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:28
S30	59	S6 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:32
S31	98	(299/81.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 07:36
S32	185	(299/81.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 07:40
S33	179	S32 not S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:36

## EAST Search History

S34	51	(299/81.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 07:40
S35	11	pin same nozzle and (S31 S32 S34)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/24 07:40